

Actividad 8

Puntajes Obtenidos por 35 alumnos en un examen de Matemática Financiera.

L	A	Lri	~~Ls3~~	Lr3	Xs	f	fa	Fxs
57	-62	56.5	~~58.5~~	62.5	59.5	4	4	238
63	-83	62.5	~~64.5~~	68.5	65.5	4	8	262
69	-74	68.5	~~68.5~~	74.5	71.5	4	12	286
75	-80	74.5		80.5	77.5	11	23	852.5
81	-86	80.5		86.5	83.5	6	29	501
87	-92	86.5		92.5	89.5	5	34	447.5
93	-98	92.5		98.5	95.5	1	35	95.5
								$\Sigma fxs = 2,682.5$

$$\bar{X} = \frac{2,682.5}{35} = 76.64$$

$$Md = (L_{rit} + \left(\frac{\frac{N}{2} - f_{aa}}{f} \right) i) 6$$

$$Md = \frac{35}{2} = 17.5$$

$$Mo = L_{rit} + \left(\frac{\Delta 1}{\Delta 1 + \Delta 2} \right) i$$

$$Mo = (L_{rit}) 74.5 + \left(\frac{7}{7+5} \right) 6$$

$$\Delta 1 = 11 - 4 = 7$$

$$\Delta 2 = 11 - 6 = 5$$

$$Md = 74.5 + \left(\frac{17.5 - 12}{11} \right) 6$$

$$Md = 74.5 + (0.5) 6$$

$$Md = 74.5 + 3$$

$$Md = 77.5$$

$$Mo = 74.5 + (0.58) 6$$

$$Mo = 3.74.5 + 3.48$$

$$Mo = 77.98$$